To: 'Allison Berkowitz'[Allison.Berkowitz@erg.com]
Cc: Blackman, Jerome[Blackman.Jerome@epa.gov]

From: Bach, Thomas

Sent: Fri 2/5/2016 2:14:29 PM

Subject: RE: Kinder Morgan Natural Gas STAR Program Emission Reductions

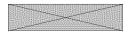
removed.txt

Thanks you for the quick response. In 2012, Kinder Morgan acquired all El Paso Corporation (El Paso) companies. The El Paso companies that were Natural Gas STAR partners include Colorado Interstate Gas Company, El Paso Natural Gas Company, Southern Natural Gas Company and Tennessee Natural Gas Pipeline Company.

Kinder Morgan is a member of the ONE Future coalition, and as such the former El Paso companies will be included under Kinder Morgan in the ONE Future program.

Thomas J. Bach

Director Environmental Services, Natural Gas



370 Van Gordon St.

Lakewood, CO 80228

303-914-7842 (office)

303-910-8235 (cell)

From: Allison Berkowitz [mailto:Allison.Berkowitz@erg.com]

Sent: Friday, February 05, 2016 6:29 AM

To: Bach, Thomas **Cc:** Blackman, Jerome

Subject: RE: Kinder Morgan Natural Gas STAR Program Emission Reductions

Hi,

We should be able to pull that information. Regarding the El Paso companies, I will need to know which El Paso companies Kinder Morgan acquired. (Follow the link for list of Program partners http://www3.epa.gov/gasstar/partners/index.html#content). No, partner emission reductions are not readily accessible by the general public.

Thank you and let me know about the El Paso companies.

From: Bach, Thomas [mailto:Thomas Bach@kindermorgan.com]

Sent: Thursday, February 04, 2016 4:48 PM

To: Allison Berkowitz < <u>Allison Berkowitz@erg.com</u>>

Subject: Kinder Morgan Natural Gas STAR Program Emission Reductions

Allison:

A couple questions regarding the Natural Gas STAR Program:

- 1. Is it possible to obtain an overall summary of the total emission reductions reported by Kinder Morgan companies, including the former El Paso Corporation companies?
- 2. Is that information readily accessible by the general public?

Thomas J. Bach

Director Environmental Services, Natural Gas

KINDER MORGAN

370 Van Gordon St.

Lakewood, CO 80228

303-914-7842 (office)

303-910-8235 (cell)

To: Skazi@kockw.com[Skazi@kockw.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Blackman, Jerome[Blackman.Jerome@epa.gov]

From: Pryor, Justin

Sent: Tue 2/2/2016 1:30:18 PM

Subject: Methane Challenge Program Feedback

Mr. Kazi,

I wanted to take this opportunity to thank you for your comments on U.S. EPA's Methane Challenge Program. We recently released our Framework document for the Best Management Practice Commitment, which was significantly influenced by all of the feedback we received. We want to make clear that this is a domestic program and only companies with operations in the U.S. can join.

We recently posted on the Methane Challenge website the feedback we received, compiled into one document. We chose to not post your comments publicly along with the rest because at the time that you submitted your comments we had not yet communicated to stakeholders that they would be released publicly. If you would like your comments to be included in the publicly available document, please let us know and we will be sure to add it.

Thank you, again, for Kuwait Oil Company's participation at our Natural Gas STAR Annual Implementation Workshop last November, and for your feedback on our domestic Methane Challenge Program.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

http://www3.epa.gov/gasstar/methanechallenge/

From: Kazi, Sajid [mailto:Skazi@kockw.com] Sent: Tuesday, September 01, 2015 10:20 AM

To: Burhan, Younus < <u>Younus.Burhan@tetratech.com</u>> **Subject:** Methane Challenge Program participation

Following our participation in the webinars conducted in July 2015, these are our responses to the proposed Methane Challenge Program:

1. Please indicate whether your company has specific interest in one of the commitment options presented, including the possibility or likelihood of your company potentially making that commitment.

<u>Our response</u>: Although we have signed the MOU with US EPA in 2013, we were only able to participate in a 45-day desktop study involving 3 of our facilities, which made theoretical estimations based on process data provided by us. The recommendations of this study were that we needed to perform a more detailed real-time assessment with actual measurements.

While we would be most interested in the One Future Emissions Intensity Commitment Option, the possibility of achieving this option would require a certain amount of time (2 years on the minimum) as we have to select an appropriate, feasible, and effective control option to achieve the desired level of emission reduction, implement it effectively, etc.

2. In addition to recognition through the Program, what are the key incentives for companies to participate in this Program? Should EPA offer some partners extra recognition, such as awards?

<u>Our response</u>: Commemoration of the efforts of partners in such an initiative is very vital in strengthening commitment of existing partners and enhancing participation of additional ones. This can be appropriately achieved by presenting awards as well as adding pictures/articles in magazines/ editorials / EPA web page.

3. EPA is proposing to launch the Program with charter partners by the end of 2015, but will welcome new partners on an ongoing basis. Please comment on the likelihood of your company committing to join this Program as a charter partner, or at a future date.

<u>Our response</u>: As mentioned earlier, we have signed the MOU with US EPA in 2013, and were only able to participate in a 45-day desktop study involving 3 of our facilities, but henceforth, we intend to enhance our participation. Our Company intends to join the One Future Emissions Intensity Commitment Option, but were not able to take any efforts in this direction until now. Therefore, in order to display our commitment in terms of emissions reductions we are looking

for an appropriate, feasible, and effective control option to achieve the desired level of emission reduction, and work towards its effective implementation. This will need a minimum timeframe of 2 years, after which we intend to join the program and fulfill the corresponding responsibilities.

4. For the BMP option, how can EPA encourage companies to make commitments for sources for which they have not made significant progress in implementing mitigation options? In other words, how can companies be encouraged to participate beyond the sources for which they have already made significant progress?

<u>Our response</u>: In our opinion, the most effective way to do this is by presenting relevant case studies of other partners in this regard portraying the success that they have achieved and quidance for the target partners to initiate these actions and enhance their efforts.

5. Please provide comments on the sources and corresponding BMPs that are provided in Appendix 2, including any recommended additions, deletions, or revisions.

<u>Our response</u>: On the grounds of inadequate participation in this program, we are currently unable to satisfactorily answer this question with adequate suggestions to add value to your approach.

6. Please comment on the proposed definitions of the companies or entities that will make BMP commitments, per Appendix 3.

<u>Our response</u>: On the grounds of inadequate participation in this program, we are currently unable to satisfactorily answer this question with adequate suggestions to add value to your approach.

7. Is a 5-year time limit to achieve BMP commitments appropriate? If not, please provide alternate proposals. Would a shorter time limit encourage greater reductions earlier?

<u>Our response</u>: In our opinion, a 5-year time limit is a practical one where partners have sufficient time to display their performance/commitment, where they are able to speed up their actions in case of a delayed start. Considering that this is a voluntary program, a shorter time limit would only jeopardize/discourage any intended actions.

8. Should EPA offer the ER commitment option? If so, please provide specific recommendations for ways that EPA could address the implementation challenges outlined in this document. What is the minimum target company-specific reduction level that should be set for participation in this option? Would your company use this option if it were offered?

<u>Our response</u>: Currently we are unable to answer this question on behalf of other Companies. Due to our inadequate participation in this program, we are currently unable to satisfactorily answer this question with adequate suggestions to add value to your approach.

9. To what extent is differentiating the voluntary actions from regulatory actions important to stakeholders? What are the potential mechanisms through which the Program could distinguish actions driven by state or federal regulation from those undertaken voluntarily or that go beyond regulatory requirements?

Our response: They are very vital since, initiatives taken voluntarily have a more powerful

determination and have a stronger appeal and motivation when promote among other partners as compared to those initiatives that are regulatory induced. The potential mechanisms through which the Program can distinguish voluntary action from regulatory driven ones include explanations and elaborations provided on the website or news articles or magazines/journals advocating the same.

10. EPA plans to leverage existing reported data through the GHGRP (Subpart W) in addition to supplemental data that partners would submit to EPA. Would the e-GGRT system be an appropriate mechanism to collect the voluntary supplemental data?

Our response: Currently we are unable to answer this question.

11. Would companies be willing and able to make commitments related to emission sources where EPA has proposed, but not yet finalized, new GHGRP Subpart W requirements?

Our response: Currently we are unable to answer this question.

12. EPA seeks feedback on potential mechanisms for encouraging continued, active participation in the Program once a company's initial goals have been achieved.

Our response: Currently we are unable to answer this question.

13. EPA is proposing to call this new voluntary effort the "Natural Gas STAR Methane Challenge Program", and welcomes comments and suggestions on this name.

Our response: Currently we are unable to answer this question.



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To: Lacey, Pam[PLacey@aga.org]; Fleck, Susan L.[susan.fleck@nationalgrid.com]

Cc: Blackman, Jerome[Blackman.Jerome@epa.gov]

From: Bluestein, Joel

Sent: Fri 11/13/2015 5:02:03 PM

Subject: RE: My slides for LAUF/ infrastructure panel & Bio

Thanks Pam

From: Lacey, Pam [mailto:PLacey@aga.org] Sent: Friday, November 13, 2015 11:59 AM

To: Bluestein, Joel < Joel. Bluestein@icfi.com>; Fleck, Susan L.

<susan.fleck@nationalgrid.com>
Cc: blackman.jerome@epa.gov

Subject: My slides for LAUF/ infrastructure panel & Bio

Joel and Sue – Attached are my slides. (I am also copying Jerome Blackman.) I have 12 slides (excluding back and front covers), and on several slides I will whiz by in a few seconds per slide. I will also get out my stop watch app to practice and be sure I don't talk more than 10-12 minutes.

Also attached is my bio, and here is a shorter bulleted form you could use for the introduction:

- Pam Lacey is AGA's Chief Regulatory Counsel, with over 30 years of experience in energy and environmental law.
 She is staff executive for AGA's Board of Directors Task Force on Natural Gas Emissions, and
 She represents AGA in environmental matters at the White House, EPA and other federal agencies, with a current focus on EPA's Methane Challenge, the Inventory and proposed methane rules.
- □ □ □ □ □ □ Pam has participated on the steering and technical committees for two major methane studies and is a frequent speaker on methane issues.

•□□□□□□□ Before joining AGA, Pam was a partner at Coffield, Ungaretti & Harris ["Caw-field, un-gar-Etty"] where she represented utilities and other clients in environmental and FERC matters.
●□□□□□□□□ Pam earned her J.D. from George Washington University's National Law Center and an A.B. cum laude from Bryn Mawr College.
See you in Pittsburgh!
Best, Pam
Pamela A. Lacey Chief Regulatory Counsel
Office of General Counsel
American Gas Association
400 N. Capitol St., NW Washington, DC 20001
P: 202-824-7340 M: 202-809-6565 <u>placey@aga.org</u>

The American Gas Association represents more than 200 local energy companies committed to the safe delivery of clean natural gas to over 68 million customers throughout the nation.

To: Bluestein, Joel[Joel.Bluestein@icfi.com]; Fleck, Susan L.[susan.fleck@nationalgrid.com]

Cc: Blackman, Jerome[Blackman.Jerome@epa.gov]

From: Lacey, Pam

Sent: Fri 11/13/2015 4:59:22 PM

Subject: My slides for LAUF/ infrastructure panel & Bio

Lacey -LUAF-EPA Gas STAR Nov 2015.pptx

PamLaceyBio Oct 2015.doc

Joel and Sue – Attached are my slides. (I am also copying Jerome Blackman.) I have 12 slides (excluding back and front covers), and on several slides I will whiz by in a few seconds per slide. I will also get out my stop watch app to practice and be sure I don't talk more than 10-12 minutes.

Also attached is my bio, and here is a shorter bulleted form you could use for the introduction: • Down Pam Lacey is AGA's Chief Regulatory Counsel, with over 30 years of experience in energy and environmental law. Gas Emissions, and • 🗆 🗆 🗅 🗅 she represents AGA in environmental matters at the White House, EPA and other federal agencies, with a current focus on EPA's Methane Challenge, the Inventory and proposed methane rules. • Description of the later of the steering and technical committees for two major methane studies and is a frequent speaker on methane issues. ■□□□□□□□ Before joining AGA, Pam was a partner at Coffield, Ungaretti & Harris / "Caw-field, un-gar-Etty"] where she represented utilities and other clients in environmental and FERC matters. • 🗆 🗆 🗅 🗅 Pam earned her J.D. from George Washington University's National Law Center and an A.B. cum laude from Bryn Mawr College.

See you in Pittsburgh!

Best, Pam

Pamela A. Lacey | Chief Regulatory Counsel

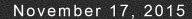
Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe delivery of clean natural gas to over 68 million customers throughout the nation.





LAUF & Distribution Pipe Replacement – A National Perspective

The American Gas Association, founded in 1918, represents more than 200 local energy companies that deliver clean natural gas throughout the United States.

AGA represents 100% of the investor-owned gas utilities in the country.

There are more than 72 million residential, commercial and industrial natural gas customers in the U.S., of which 94 percent — over 68 million customers — receive their gas from AGA members.





- How to measure emissions – Hint: Not with LAUF.
- 2. Pipeline safety -driving infrastructure
 replacement and lower
 emissions
- 3. Key requirement: Utility rate cost recovery to accelerate pipe replacement

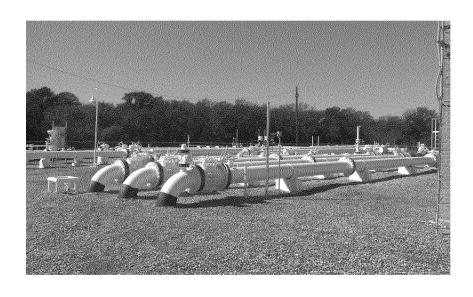
- What is Lost and Unaccounted For (LAUF)
 Gas?
- LAUF is mainly a metering and accounting adjustment.
- LAUF includes small amounts for gas theft and emissions, but there is no correlation between LAUF and emissions.
- EPA has long recognized the limitations of LAUF and rejected idea of using LAUF to measure or estimate methane emissions.

LAUF is
Not a
Good
Measure
of
Emissions

A Better Way to Measure Emissions

Go to representative facilities...

And measure flow rates.



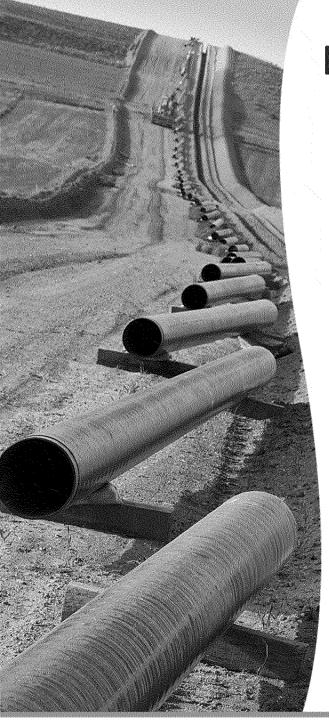


How to measure emissions from buried pipe...



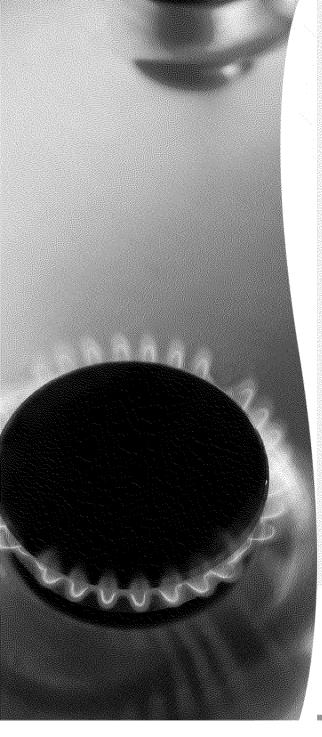
Lamb, Washington State
University Multi-City
Distribution Study
(March 31, 2015):

- Map surface area of a leak using a portable sniffer
- 2. Use a flexible surface enclosure to capture the leak
- 3. Measure emissions using a calibrated high-flow sampler



DOT Pipeline Safety Action Plan

- Raises the bar on pipeline safety
- Accelerates rehabilitation, repair and replacement programs for high risk pipelines
- Focuses on cast iron, bare steel, older plastic
- AGA Supports the Action Plan and "Smart Modernization" of infrastructure that is no longer fit for service



Natural Gas Distribution:

Focus on Safety

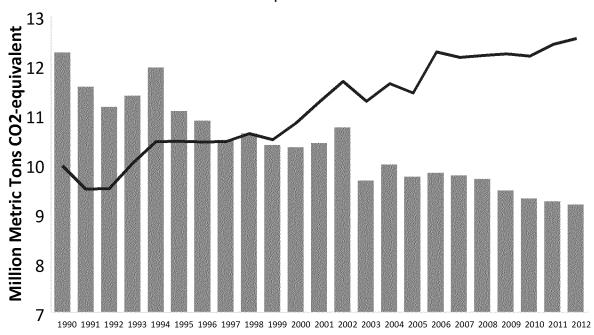
Side Benefit → Emissions Shrinking

- Emissions from distribution shrank 17
 percent since 1990 ...
- even though we added over 300,000 (30 percent more) miles of distribution mains ...
- to serve 17 million (30 percent) more customers
- Why? Because we replaced thousands of miles of existing cast iron and bare steel pipe with modern PE plastic pipe
- Result: EPA estimates distribution systems emitted 0.24% of produced natural gas in 2013

Emissions Have Declined Even as Pipeline Miles Have Grown

Pipeline Replacement Lowers Emissions

- Estimated Potential Emissions from Main Pipe
- Installed Main Pipe



Source: AGA Analysis based on Department of Transportation data and EPA *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2012*

State Utility Commissions Balance Costs to Ratepayers

- How fast can infrastructure be replaced?
- May depend on
 - miles of pipe, and
 - how many customers would share cost
- State Utility Commissions must:
 - 1. Consider cost impacts to consumers, and
 - 2. Allow utilities to recover costs, and
 - 3. Allow a just and reasonable return on equity (ROE) to attract capital.

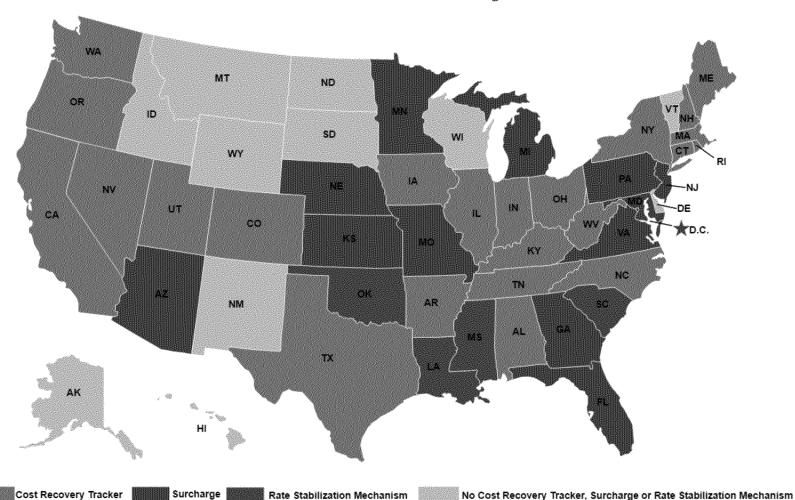
Regulatory Lag

- The utility's cost of service is based on historical amounts from a "test year."
- Leads to "regulatory lag"
- Like being told by your boss –

'Go travel on business for 5 to 10 years, save your receipts, and at the end, I'll let you know whether I'll reimburse you for any of it...'

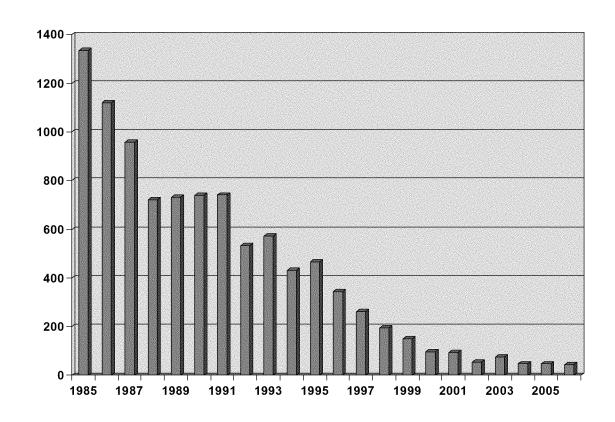
➤ Need more timely and reliable cost recovery for major infrastructure replacement projects — e.g. trackers and surcharges

States with Accelerated Infrastructure Cost Recovery



American Gas Association 12

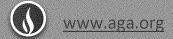
Low Grade Leak Declines – NW Natural Cast Iron Main Replacement – with Cost Recovery

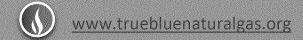


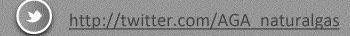
Pamela A. Lacey
Senior Managing Counsel,
Environment

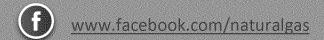
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PAMELA A. LACEY

Pam Lacey is the American Gas Association's chief regulatory counsel, with over 30 years of experience in energy and environmental law. She is staff executive for AGA's Board of Directors Task Force on Natural Gas Emissions, as well as AGA's environmental advocacy committee. She represents AGA in environmental matters at the White House, EPA and other federal agencies, and has been actively involved in advocacy and research initiatives regarding climate issues, EPA's Clean Power Plan, greenhouse gas measurement and reporting, and natural gas (methane) emissions. Pam has been an expert reviewer of EPA's draft annual Inventory of Greenhouse Gas Emissions and Sinks in the United States, and is a frequent speaker on natural gas emissions. Pam also leads AGA's collaboration on methane measurement research and has served on the steering and technical committees for the Washington State University (WSU) multi-city gas distribution methane measurement study co-funded by the Environmental Defense Fund (EDF). She currently serves on the steering and technical committees for the DOE JISEA/NETL methane reconciliation study with the Colorado School of Mines and Colorado State University.

Before joining AGA in 1996, Ms. Lacey was a Partner in the Washington office of Coffield, Ungaretti & Harris, and until 1994 was associated with Newman & Holtzinger, P.C. In private practice, Ms. Lacey represented gas and electric utilities and manufacturers in a broad range of air, water, waste and site remediation matters. She also represented energy clients before FERC in transmission projects, utility mergers, and renewable energy and other qualifying facility projects requiring FERC approval and environmental review.

Ms. Lacey is a member of the American Bar Association (ABA) Environment, Energy and Natural Resources Section. She is a past Co-Chair of the Corporate Counsel Committee. She is also a past chair of the Energy Bar's Environmental Committee.

Ms. Lacey received her J.D. from George Washington University's National Law Center and an A.B. *cum laude* from Bryn Mawr College in Pennsylvania.

From: Bylin, Carey

Location: Dial in Number - (b)(6) personal privacy caller id

Importance: Normal

Subject: Declined: Natural Gas Star

Start Date/Time: Wed 9/30/2015 5:30:00 PM **End Date/Time:** Wed 9/30/2015 6:30:00 PM

Hi Mark,

I'm sorry but this time slot does not work for me for the proposed Gas STAR discussion. As per your voicemail, since the discussion will be more broad than our new Methane Challenge proposal, and will include Gas STAR domestic and international programs, I've asked my colleague Jerome Blackman to help us coordinate for the EPA in finding some times that work for us.

Best,

Carey Bylin

To: Douglas Jordan[Douglas_Jordan@SWN.COM]

From: Blackman, Jerome

Thur 4/21/2016 1:11:17 PM Sent:

Subject: RE: Sweet!

Thank you, kind sir!

So, what's the AXPC take on the Methane Challenge?

JB

----Original Message-----

From: Douglas Jordan [mailto:Douglas_Jordan@SWN.COM]

Sent: Wednesday, April 20, 2016 5:58 PM

To: Blackman, Jerome <Blackman.Jerome@epa.gov>

Subject: Re: Sweet!

I told my industry peers to behave!

Sent from my iPhone

> On Apr 20, 2016, at 2:03 PM, Blackman, Jerome <Blackman.Jerome@epa.gov> wrote:

>

> Sent from my iPhone

>> On Apr 20, 2016, at 3:01 PM, Douglas Jordan <Douglas_Jordan@SWN.COM> wrote:

>> Carefull I am at the AXPC meeting you called into

>>

>> Sent from my iPhone

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To: From: Sent: Subject:	jim.haught@onegas.com[jim.haught@onegas.com] Blackman, Jerome Mon 4/18/2016 4:48:12 PM RE: Methane Challenge Partner Commitments
Hi Jim,	
I hope the	e information Justin provided is helpful for your AGA meeting.
Let us kno	ow how things go.
Jerome	
Sent: Mo To: jim.h Cc: Black	yor, Justin nday, April 18, 2016 12:24 PM aught@onegas.com kman, Jerome <blackman.jerome@epa.gov> Methane Challenge Partner Commitments</blackman.jerome@epa.gov>
Hi Jim,	
	the delay on this, I had to confirm a few of the commitments. We intend to post this on on the Methane Challenge website hopefully by the end of the week.
Hope this	helps!
Respectfu	ally,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Haught, Jim [mailto:Jim.Haught@onegas.com]

Sent: Wednesday, April 13, 2016 2:52 PM

To: Blackman, Jerome < Blackman.Jerome@epa.gov>

Cc: Pryor, Justin < Pryor. Justin@epa.gov>

Subject: RE: BMP Commitment "Breakout" information for Founding MC Partners

Will do. Thanks Jerome. Jim

Jim Haught

Director - Environment

P: (918) 947-7640, C: (918) 595-5551

jim.haught@onegas.com



15 E Fifth St, Tulsa, OK 74103

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Sent: Wednesday, April 13, 2016 1:50 PM To: Haught, Jim Cc: Pryor, Justin
Subject: [External] BMP Commitment "Breakout" information for Founding MC Partners
Hi Jim,
I spoke with Justin Pryor. He should be able to forward this information to you within a couple of days. Feel free to reach out to him directly if you don't hear anything by Monday (he is copied on this email).
All the best,
Jerome
Jerome Blackman
U.S. EPA - Natural Gas STAR Program
Phone: 202-343-9630
Blackman.jerome@epa.gov

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

To: Haught, Jim[Jim.Haught@onegas.com] Cc: Pryor, Justin[Pryor.Justin@epa.gov] From: Blackman, Jerome Sent: Wed 4/13/2016 6:50:01 PM Subject: BMP Commitment "Breakout" information for Founding MC Partners Hi Jim, I spoke with Justin Pryor. He should be able to forward this information to you within a couple of days. Feel free to reach out to him directly if you don't hear anything by Monday (he is copied on this email). All the best, Jerome Jerome Blackman U.S. EPA - Natural Gas STAR Program

Phone: 202-343-9630

Blackman.jerome@epa.gov

To: Matthew L. Scullin[matt@alphabetenergy.com]

Cc: Tapan Patel[tapan@alphabetenergy.com]; Pryor, Justin[Pryor.Justin@epa.gov]

From: Blackman, Jerome

Sent: Wed 4/6/2016 6:57:34 PM

Subject: RE: Introduction Jerome Blackman @ EPA Gas Star / Matt Scullin @ Alphabet Energy

Great, thank you.

From: Matthew L. Scullin [mailto:matt@alphabetenergy.com]

Sent: Wednesday, April 06, 2016 2:35 PM

To: Blackman, Jerome <Blackman.Jerome@epa.gov>

Cc: Tapan Patel <tapan@alphabetenergy.com>; Pryor, Justin <Pryor.Justin@epa.gov>

Subject: Re: Introduction Jerome Blackman @ EPA Gas Star / Matt Scullin @ Alphabet Energy

Sure, that works. Let's use this dial-in:

Dial-In Number:

Ex. 6 - Personal Privacy

Participants: Ex. 6 - Personal Privacy

Host: Ex. 6 - Personal Privacy

Matt

Matthew L. Scullin, Ph.D.

Founder & CEO

Alphabet Energy, Inc. | 26225 Eden Landing Rd., Ste. D, Hayward, CA 94545

matt@alphabetenergy.com | c +1.917.575.8724

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have received this communication in error, please notify us immediately by telephone (415-813-1201), delete the original message from your system and destroy any copies. We will reimburse any costs you incur in notifying us.

On Wed, Apr 6, 2016 at 11:32 AM, Blackman, Jerome < Blackman.Jerome@epa.gov > wrote:

Thursday would be better for us. Could we do 1pm (eastern) on 4/14/16?

Jerome

From: Matthew L. Scullin [mailto:matt@alphabetenergy.com]

Sent: Wednesday, April 06, 2016 1:08 PM

To: Blackman, Jerome < Blackman.Jerome@epa.gov>

Cc: Tapan Patel < tapan@alphabetenergy.com >; Pryor, Justin < Pryor.Justin@epa.gov >

Subject: Re: Introduction Jerome Blackman @ EPA Gas Star / Matt Scullin @ Alphabet

Energy

Jerome, sounds good. How about Weds 10am pacific?

Matt

Matthew L. Scullin, Ph.D.

Founder & CEO

Alphabet Energy, Inc. | 26225 Eden Landing Rd., Ste. D, Hayward, CA 94545

matt@alphabetenergy.com | c +1.917.575.8724

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On Wed, Apr 6, 2016 at 7:23 AM, Blackman, Jerome < <u>Blackman.Jerome@epa.gov</u>> wrote:

Hello Matt,

Thanks for reaching out to me. I would welcome the opportunity to speak with you.

Perhaps we could set up a call for next week. How's next Wednesday or Thursday for you?

Jerome

From: Matthew L. Scullin [mailto:matt@alphabetenergy.com]

Sent: Tuesday, April 05, 2016 8:07 PM

To: Tapan Patel < tapan@alphabetenergy.com >

Cc: Blackman, Jerome < Blackman.Jerome@epa.gov>

Subject: Re: Introduction Jerome Blackman @ EPA Gas Star / Matt Scullin @

Alphabet Energy

Jerome, great to meet you. We are about to launch a product that generates electricity from flare combustors. It uses our proprietary thermoelectrics. We've gotten some great traction for it. Would love to share more and brainstorm about how we could be helpful to the EPA.

All the best,

Matt

Matthew L. Scullin, Ph.D.

Founder & CEO

Alphabet Energy, Inc. | 26225 Eden Landing Rd., Ste. D, Hayward, CA 94545

matt@alphabetenergy.com | c +1.917.575.8724

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On T	Tue, Apr 5, 2016 at 5:05 PM, Tapan Patel < tapan@alphabetenergy.com > wrote:
Н	i Jerome,
la	s been a while since we last spoke I hope all is well. Congratulations on unching the Gas Star Methane Challenge! We saw the announcement a few ays back my CEO pointed it out, which brings me to my reason for reaching at.
W	lphabet's CEO, Matt Scullin (CC'ed here), is interested in learning about your ork at the EPA and understanding how AE's work fits in. Would you mind aking the time for a call?
m be	latt, meet Jerome Blackman, a Program Manager at EPA Gas Star. Jerome and I et a few months back while in DC and at the last EPA Gas Star conference. He's een very helpful and I'm sure wouldn't mind making the time. Can you please ke it from here?
В	est,
VAAY ASAR	
Т	apan Patel
P ₁	roduct Manager
A	lphabet Energy, Inc.

26225 Eden Landing Road

Suite D

Hayward, CA 94545

tapan@alphabetenergy.com | (949) 636-9200

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copies. We will reimburse any costs you incur in notifying us.

To: Cliff Majersik[cliff@imt.org]

From: Blackman, Jerome

Sent: Thur 3/10/2016 5:03:24 PM

Subject: RE: Gas Star and the DC Comprehensive Energy Plan?

Hi Cliff,

Our contacts at Washington Gas are Melissa Adams (Division Head, Sustainability & Economic Development) and Hillery Kelly (Sr. Environmental Specialist). I don't readily have Melissa's contact information, but here's the information for Hillery:

Phone: (703) 750-5846

Email: HKelly@washgas.com

My colleague, Justin Pryor can share greater details about EPA's Methane Challenge Program and the launch event on March 30th:

Phone: (202) 343-9258

Email: Pryor.Justin@epa.gov

Finally, I'm sure Pam Lacey at AGA would be very interested in hearing about the District's Comprehensive Energy Plan too:

Phone: (202) 824-7340

Email: placey@aga.org

All the best,

Jerome From: Cliff Majersik [mailto:cliff@imt.org] Sent: Thursday, March 10, 2016 10:33 AM To: Blackman, Jerome <Blackman.Jerome@epa.gov> Cc: Erin Beddingfield <erin@imt.org> Subject: RE: Gas Star and the DC Comprehensive Energy Plan? Jerome, Yes, we'll call you then. Thanks! Cliff From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov] Sent: Thursday, March 10, 2016 10:27 AM To: Cliff Majersik Subject: RE: Gas Star and the DC Comprehensive Energy Plan? Hi Cliff, I have a minute around 11am, if that helps? Jerome 343-9630

From: Cliff Majersik [mailto:cliff@imt.org]

To: Blackman, Jerome < Blackman.Jerome@epa.gov > Cc: Erin Beddingfield < erin@imt.org >; Pryor, Justin < Pryor.Justin@epa.gov >; Bylin, Carey < Bylin.Carey@epa.gov > Subject: RE: Gas Star and the DC Comprehensive Energy Plan?
Jerome,
Thanks for the quick reply!
I need to get back to Washington Gas today. So, it would be great if you could talk for 3 minutes now. In any case, we're happy to talk at 3:30 tomorrow.
Thanks,
Cliff
From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov] Sent: Wednesday, March 09, 2016 4:28 PM To: Cliff Majersik Cc: Erin Beddingfield; Pryor, Justin; Bylin, Carey Subject: RE: Gas Star and the DC Comprehensive Energy Plan?
Hello Cliff,
Thanks for contacting me. Perhaps we could talk tomorrow around 3:30? Let me know if that works for you.
Jerome

Sent: Wednesday, March 09, 2016 4:32 PM

From: Cliff Majersik [mailto:cliff@imt.org]
Sent: Wednesday, March 09, 2016 4:11 PM

To: Blackman, Jerome < Blackman.Jerome@epa.gov>

Cc: Erin Beddingfield < erin@imt.org>

Subject: Gas Star and the DC Comprehensive Energy Plan?

Jerome,

I just left you a voicemail. IMT is part of a team hired by Washington DC to write its new Comprehensive Energy Plan. We are considering featuring Washington Gas and Gas STAR as part of the plan. Do you have 10 minutes in the next day or two to discuss?

Btw – we work closely with your colleagues in EPA Energy Star buildings (e.g. Jean, Mike, Tracy and Leslie).

Thanks and warm regards,

Cliff

Cliff Majersik Executive Director Institute for Market Transformation

1707 L Street NW | Suite 1050 | Washington, DC 20036

(202) 525-2883 x303 (direct) | (202) 297-0871 (mobile)

cliff@imt.org | www.imt.org | @IMTCliff

Please pass it on: IMT is hiring

To: Cc: From: Sent: Subject:	Bach, Thomas[Thomas_Bach@kindermorgan.com] 'Allison Berkowitz'[Allison.Berkowitz@erg.com] Blackman, Jerome Wed 2/10/2016 8:34:20 PM RE: Kinder Morgan Natural Gas STAR Program Emission Reductions				
Hi Thomas,					
Hope all	is well.				
Will Kinder Morgan and the former El Paso companies continue to participate in the Natural Gas STAR Program in addition to being included in ONE Future?					
Just chec	king for my clarification. Let us know want your intentions are either way.				
Thanks.					
Jerome					
Jerome B	lackman				
US EPA	– Natural Gas STAR Program				

From: Bach, Thomas [mailto:Thomas_Bach@kindermorgan.com]

Sent: Friday, February 05, 2016 9:14 AM

To: 'Allison Berkowitz' <Allison.Berkowitz@erg.com> **Cc:** Blackman, Jerome <Blackman.Jerome@epa.gov>

Subject: RE: Kinder Morgan Natural Gas STAR Program Emission Reductions

Thanks you for the quick response. In 2012, Kinder Morgan acquired all El Paso Corporation (El Paso) companies. The El Paso companies that were Natural Gas STAR partners include Colorado Interstate Gas Company, El Paso Natural Gas Company, Southern Natural Gas

Company and Tennessee Natural Gas Pipeline Company.

Kinder Morgan is a member of the ONE Future coalition, and as such the former El Paso companies will be included under Kinder Morgan in the ONE Future program.

Thomas J. Bach

Director Environmental Services, Natural Gas

KINDER MORGAN

370 Van Gordon St.

Lakewood, CO 80228

303-914-7842 (office)

303-910-8235 (cell)

From: Allison Berkowitz [mailto:Allison.Berkowitz@erg.com]

Sent: Friday, February 05, 2016 6:29 AM

To: Bach, Thomas **Cc:** Blackman, Jerome

Subject: RE: Kinder Morgan Natural Gas STAR Program Emission Reductions

Hi,

We should be able to pull that information. Regarding the El Paso companies, I will need to know which El Paso companies Kinder Morgan acquired. (Follow the link for list of Program partners http://www3.epa.gov/gasstar/partners/index.html#content). No, partner emission reductions are not readily accessible by the general public.

Thank you and let me know about the El Paso companies.

From: Bach, Thomas [mailto:Thomas Bach@kindermorgan.com]

Sent: Thursday, February 04, 2016 4:48 PM

To: Allison Berkowitz < Allison. Berkowitz@erg.com >

Subject: Kinder Morgan Natural Gas STAR Program Emission Reductions

Allison:

A couple questions regarding the Natural Gas STAR Program:

- 1. Is it possible to obtain an overall summary of the total emission reductions reported by Kinder Morgan companies, including the former El Paso Corporation companies?
- 2. Is that information readily accessible by the general public?

Thomas J. Bach

Director Environmental Services, Natural Gas

KINDER/MORGAN

370 Van Gordon St.

Lakewood, CO 80228

303-914-7842 (office)

303-910-8235 (cell)

To: Lacey, Pam[PLacey@aga.org]

From: Blackman, Jerome

Sent: Thur 1/21/2016 7:41:23 PM

Subject: RE: Methane Challenge Announcement

The announcement was just posted on the website:

http://www3.epa.gov/gasstar/methanechallenge/index.html

Jerome

From: Lacey, Pam [mailto:PLacey@aga.org] Sent: Thursday, January 21, 2016 10:20 AM

To: Blackman, Jerome <Blackman.Jerome@epa.gov> **Subject:** Automatic reply: Methane Challenge - status?

I am out of the office in New York on Thursday Jan. 21 speaking to the Society of Gas Operators (SOGO). I should have Intenet connection on the train in the morning and will reply as soon as possible, but if you need immediate assistance, please contact my assistant Michele McDermott mmcdermott@aga.org.

To: Lacey, Pam[PLacey@aga.org]

From: Blackman, Jerome

Sent: Thur 1/21/2016 3:19:56 PM Subject: RE: Methane Challenge - status?

Hi Pam,

Good to hear from you! I believe our communications office is "very close".

Hang in there. ©

JB

From: Lacey, Pam [mailto:PLacey@aga.org] Sent: Thursday, January 21, 2016 9:03 AM

To: Blackman, Jerome < Blackman.Jerome@epa.gov>

Subject: Methane Challenge - status?

Hi Jerome – Do you have a prediction about when the final Methane Challenge program will be announced? My members are beginning to ask me. Thanks! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | placey@aga.org

To: Johnson, Darrell[DJohnson@semprautilities.com]

From: Blackman, Jerome

Sent: Thur 1/7/2016 10:47:27 PM

Subject: Re: Reply to your question about the Administration's goal to cut methane emissions.

No problem and wishing you all the best in responding to the Aliso Canyon leak.

JB

Sent from my iPhone

On Jan 7, 2016, at 4:50 PM, Johnson, Darrell < DJohnson@semprautilities.com > wrote:

Thank you both, very, very much!!!

Sent from my Windows Phone

From: Blackman, Jerome Sent: 1/6/2016 11:51 AM To: Johnson, Darrell

Subject: Reply to your question about the Administration's goal to cut methane emissions.

Hey Darrell,

I checked with Carey Bylin, and we really don't have anything that provides greater detail on the reduction goal other than what is available on the Methane Challenge website:

http://www3.epa.gov/gasstar/methanechallenge/

"The Methane Challenge Program is an integral part of the EPA's — and the Administration's — ongoing commitment to address methane emissions and global climate change. In March 2014, the White House released the Strategy to Reduce Methane Emissions (PDF) that included EPA efforts to reduce methane emissions in the oil and natural gas sector. In January 2015, the Obama Administration further demonstrated its commitment by announcing a new goal to cut methane emissions from this sector by 40-45 percent from 2012 levels by 2025."

http://www3.epa.gov/gasstar/methanechallenge/goal.html

"The Administration announces a new goal to cut methane emissions from the oil and gas sector by 40-45 percent from 2012 levels by 2025. Building on prior actions by the Administration, and leadership in the States and industry, these series of steps encompass both commonsense standards and cooperative engagement with states, tribes and industry to put the U.S. on a path toward the 2025 goal."
If you have any further questions, please feel free to call Carey directly at (202) 343-9669.
All the best,
Jerome
This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

Sent: Wed 1/6/2016 7:51:41 PM Subject: Reply to your question about the Administration's goal to cut methane emissions.
Hey Darrell,
I checked with Carey Bylin, and we really don't have anything that provides greater detail on the reduction goal other than what is available on the Methane Challenge website:
http://www3.epa.gov/gasstar/methanechallenge/
"The Methane Challenge Program is an integral part of the EPA's — and the Administration's — ongoing commitment to address methane emissions and global climate change. In March 2014, the White House released the Strategy to Reduce Methane Emissions (PDF) that included EPA efforts to reduce methane emissions in the oil and natural gas sector. In January 2015, the Obama Administration further demonstrated its commitment by announcing a new goal to cut methane emissions from this sector by 40-45 percent from 2012 levels by 2025."
http://www3.epa.gov/gasstar/methanechallenge/goal.html
"The Administration announces a new goal to cut methane emissions from the oil and gas sector by 40-45 percent from 2012 levels by 2025. Building on prior actions by the Administration, and leadership in the States and industry, these series of steps encompass both commonsense standards and cooperative engagement with states, tribes and industry to put the U.S. on a path toward the 2025 goal."
If you have any further questions, please feel free to call Carey directly at (202) 343-9669.
All the best,
Jerome

To: From: Johnson, Darrell[DJohnson@semprautilities.com]

Blackman, Jerome

To: Raven Elliott[relliott@oasispetroleum.com]

Cc: Lauren Lariviere[Lauren.Lariviere@erg.com]; Allison Berkowitz[Allison.Berkowitz@erg.com]

From: Blackman, Jerome

Sent: Mon 11/30/2015 2:33:53 PM

Subject: RE: 2015 Natural Gas STAR Annual Implementation Workshop Follow Up

Hi Raven,

We are working on getting the presentations posted soon, but with the holidays we are running a little behind. I will keep you posted. :)

Jerome

From: Raven Elliott [mailto:relliott@oasispetroleum.com]

Sent: Tuesday, November 24, 2015 6:41 PM

To: Blackman, Jerome < Blackman. Jerome@epa.gov>

Subject: RE: 2015 Natural Gas STAR Annual Implementation Workshop Follow Up

Great! When will the presentations be available online?

Thank you, Raven Elliott

Sent by <u>Outlook</u> for Android, therefore please excuse any typos.

On Tue, Nov 24, 2015 at 8:20 AM -0800, "Blackman, Jerome" <Blackman.Jerome@epa.gov> wrote:

Hi Raven,

I can be your initial point of contact for EPA's Natural Gas STAR and Methane Challenge programs. Please see our website for information on how to join Natural Gas STAR:

http://www3.epa.gov/gasstar/join/index.html

The Natural Gas STAR Program is a flexible, voluntary partnership that encourages oil and natural gas companies—both domestically and abroad—to adopt cost-effective technologies and practices that improve operational efficiency and reduce emissions of methane, a potent greenhouse gas and clean energy source. For information on the technologies and practices to reduce methane emissions from oil and gas systems, please visit

http://www.epa.gov/gasstar/tools/recommended.html

Regards,

From: Raven Elliott [mailto:relliott@oasispetroleum.com]

Sent: Monday, November 23, 2015 6:54 PM

To: Blackman, Jerome < Blackman.Jerome@epa.gov>

Subject: 2015 Natural Gas STAR Annual Implementation Workshop Follow Up

Mr. Blackman,

Jerome

It was a pleasure meeting you last week at the 2015 Natural Gas STAR Annual Implementation Workshop! With this being my first EPA conference, I was pleasantly surprised at how well organized and informative that it was. I left with some great take a ways, some good information on how my company can participate in the program, and new connections.

If I have any questions about the best approach to participation, who would be the key

contact to assist? There were so many presenters that I am not sure of the key contact person.

Again, it was great to meet you and your colleagues. Please feel free to contact me if you have questions or ideas for how we can better reduce our carbon footprint.

Best Regards,

Raven

Raven M. Elliott

Senior EH&S Representative



1001 Fannin, Suite 1500

Houston, Texas 77002

713-770-6439 Direct



RElliott@oasispetroleum.com

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To: From: Sent: Subject:	Raven Elliott[relliott@oasispetroleum.com] Blackman, Jerome Tue 11/24/2015 4:20:32 PM RE: 2015 Natural Gas STAR Annual Implementation Workshop Follow Up
Hi Raven	,
-	your initial point of contact for EPA's Natural Gas STAR and Methane Challenge. Please see our website for information on how to join Natural Gas STAR:
http://ww	rw3.epa.gov/gasstar/join/index.html
natural ga practices greenhou	ral Gas STAR Program is a flexible, voluntary partnership that encourages oil and as companies—both domestically and abroad—to adopt cost-effective technologies and that improve operational efficiency and reduce emissions of methane, a potent se gas and clean energy source. For information on the technologies and practices to ethane emissions from oil and gas systems, please visit
http://ww	rw.epa.gov/gasstar/tools/recommended.html
Regards,	
Jerome	
Sent: Mo To: Black	aven Elliott [mailto:relliott@oasispetroleum.com] onday, November 23, 2015 6:54 PM kman, Jerome <blackman.jerome@epa.gov> 2015 Natural Gas STAR Annual Implementation Workshop Follow Up</blackman.jerome@epa.gov>

Mr. Blackman,

It was a pleasure meeting you last week at the 2015 Natural Gas STAR Annual Implementation Workshop! With this being my first EPA conference, I was pleasantly surprised at how well organized and informative that it was. I left with some great take a ways, some good information on how my company can participate in the program, and new connections.

If I have any questions about the best approach to participation, who would be the key contact to assist? There were so many presenters that I am not sure of the key contact person.

Again, it was great to meet you and your colleagues. Please feel free to contact me if you have questions or ideas for how we can better reduce our carbon footprint.

Best Regards,

Raven

Raven M. Elliott

Senior EH&S Representative



1001 Fannin, Suite 1500

Houston, Texas 77002

713-770-6439 Direct

Ex. 6 - Personal Privacy Cell

RElliott@oasispetroleum.com

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To: Alice G Prior (Services - 6)[alice.g.prior@dom.com]

Cc: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: Blackman, Jerome

Sent: Tue 10/27/2015 5:59:25 PM

Subject: RE: Dominion Hope Gas extension to submit NG Star Implementation PLan

We understand, thank you.

Jerome

----Original Message----

From: Alice G Prior (Services - 6) [mailto:alice.g.prior@dom.com]

Sent: Tuesday, October 27, 2015 1:26 PM

To: Blackman, Jerome <Blackman.Jerome@epa.gov>

Cc: Anand Yegnan (Services - 6) < Anand. Yegnan @dom.com>

Subject: RE: Dominion Hope Gas extension to submit NG Star Implementation PLan

We should make some decisions by the end of the year, if that works for you.

Alice Prior Environmental Projects Advisor Dominion Environmental Services 5000 Dominion Blvd., 2NW Glen Allen, VA 23060 Tie Line 8-730-4127 (804) 273-4127 (0) (804) 229-4186 (c)

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Tuesday, October 27, 2015 1:24 PM

To: Alice G Prior (Services - 6) Cc: Anand Yegnan (Services - 6)

Subject: Re: Dominion Hope Gas extension to submit NG Star Implementation PLan

No objections to your extension request. Jerome

Sent from my iPhone

> On Oct 27, 2015, at 12:51 PM, Alice G Prior (Services - 6) <ali>e.g.prior@dom.com> wrote:

>

> Hi Jerome,

>

> I just left you a voicemail message. On June 2, 2015, we entered into and MOU for Dominion Hope Gas LDC to join the NG Star program (copy attached) This would make our implementation plan due next week.

>

> We would like to know if there is a mechanism for an extension. We are still evaluating participation in the proposed Methane Challenge program, which will impact what we want to commit to under NG Star for Hope Gas.

>

> Please advise. Thanks,

```
> Alice Prior
> Environmental Projects Advisor
> Dominion Environmental Services
> 5000 Dominion Blvd., 2NW
> Glen Allen, VA 23060
> Tie Line 8-730-4127
> (804) 273-4127 (0)
> (804) 229-4186 (c)
>
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> <2015 Hope Gas Natural Gas STAR MOU with EPA.pdf>

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Cc: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]
To: Alice G Prior (Services - 6)[alice.g.prior@dom.com]

From: Blackman, Jerome

Sent: Tue 10/27/2015 5:24:24 PM

Subject: Re: Dominion Hope Gas extension to submit NG Star Implementation PLan

No objections to your extension request. Jerome

Sent from my iPhone

- > On Oct 27, 2015, at 12:51 PM, Alice G Prior (Services 6) <alice.g.prior@dom.com> wrote:
- > ∐i loromo
- > Hi Jerome,

> I just left you a voicemail message. On June 2, 2015, we entered into and MOU for Dominion Hope Gas LDC to join the NG Star program (copy attached). This would make our implementation plan due next week.

> We would like to know if there is a mechanism for an extension. We are still evaluating participation in the proposed Methane Challenge program, which will impact what we want to commit to under NG Star for Hope Gas.

> Please advise. Thanks,

. Alia

>

- > Alice Prior
- > Environmental Projects Advisor
- > Dominion Environmental Services
- > 5000 Dominion Blvd., 2NW
- > Glen Allen, VA 23060
- > Tie Line 8-730-4127
- > (804) 273-4127 (o)
- > (804) 229-4186 (c)

>

>

>

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> <2015 Hope Gas Natural Gas STAR MOU with EPA.pdf>

To: Douglas Jordan[Douglas_Jordan@SWN.COM]

From: Blackman, Jerome
Sent: Tue 10/6/2015 5:55:39 PM
Subject: And on another note ...

By the way, I also wanted to mention that Carey will be contacting Fiji George about having someone talk about ONE FUTURE at the AIW as well.

The back strap was very tasty, although I probably left it in the oven a bit little too long. I made a chipotle sauce with lime juice and sea salt!! :)

JB

From: Blackman, Jerome

Sent: Tuesday, October 06, 2015 1:47 PM

To: 'Douglas Jordan'

Cc: Allison Berkowitz; Lauren Lariviere; Erin Pittorino

Subject: Gas STAR Workshop Presentation

Importance: High

Hey Doug,

How are things? I wanted to follow up on your kind offer to do a presentation at the Annual Implementation Workshop. If the offer still stands, we are inviting you do the "New Technologies" presentation that you suggested back in July.

- 🗆 🗆 🗅 🗅 SWN Methane Reduction Initiatives
- o New Technologies
- Fuel Cell Project
- Duel Fuel Drill Rigs

We would probably have you talk on Wednesday (Nov. 18), replacing Melissa Weitz at 8:45 am. How's that sound to you?

Jerome

(202) 343-9630

PS: Please don't forget to register for the AIW if you haven't already! https://projects.erg.com/conferences/gasstar_reg/register-gasstar15.asp

From: Douglas Jordan [mailto:Douglas_Jordan@SWN.COM]
Sent: Thursday, July 30, 2015 11:48 AM
To: Blackman, Jerome
Subject: RE: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015 Natural Gas STAR Implementation Workshop

Jerome, below are the two "presentations" that I thought may be of interest for the NG STAR Implementation Workshop. The SWN Methane Reduction Initiatives-Update would essentially be a summary of the topics listed but not going into great detail (more the highlights). And ONE Future would be a more detailed presentation/overview of the program. Of course, with the exception of the "new technologies" topic, I could go into more detail on the Methane Measurement Studies and /or Methane Detection as "stand alone" presentations. What do you think

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- EDF Methane Detector Challenge
- DOE ARPAe MONITOR Challenge
- o ONE Future Introduction
- •□□□□□□□ ONE Future More Detail

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Tuesday, July 28, 2015 5:37 AM

To: Douglas Jordan

Subject: Re: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015 Natural Gas STAR

Implementation Workshop

Excellent!

Sent from my iPhone

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Director, Corporate Environmental Program's

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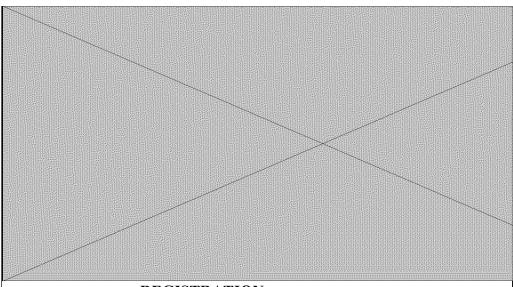
From: EPA Natural Gas STAR Team < meetings@erg.com>

Date: July 23, 2015 at 2:00:00 PM GMT+2

To: < Doug Jordan@SWN.COM>

Subject: CALL FOR ABSTRACTS DEADLINE REMINDER-2015

Natural Gas STAR Implementation Workshop



REGISTRATION and CALL FOR ABSTRACTS

2015 Natural Gas STAR Annual Implementation Workshop

Sheraton Pittsburgh Hotel at Station Square Pittsburgh, PA USA November 16-18, 2015

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More than 150 participants gathered at the last implementation workshop to network, share information and _

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HOTEL AND ACCOMMODATIONS

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If you have any logistical questions please contact <u>ERG</u>, the contractors organizing this year's meeting. For other questions about the workshop, please contact <u>Jerome Blackman</u> at EPA.

SPREAD THE WORD!

Help us spread the news about the workshop by forwarding this e-mail to colleagues who may be interested in attending.

We look forward to seeing you in Pittsburgh!

Sincerely,

The Natural Gas STAR Team

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To: Douglas Jordan Douglas Jordan @SWN.COM Cc: Allison Berkowitz[Allison.Berkowitz@erg.com]; Lauren Lariviere[Lauren.Lariviere@erg.com]; Erin Pittorino[Erin.Pittorino@erg.com] From: Blackman, Jerome Sent: Tue 10/6/2015 5:46:34 PM Subject: Gas STAR Workshop Presentation Hey Doug, How are things? I wanted to follow up on your kind offer to do a presentation at the Annual Implementation Workshop. If the offer still stands, we are inviting you do the "New Technologies" presentation that you suggested back in July. • 🗆 🗆 🗅 SWN Methane Reduction Initiatives o New Technologies ■ Fuel Cell Project Duel Fuel Drill Rigs We would probably have you talk on Wednesday (Nov. 18), replacing Melissa Weitz at 8:45 am. How's that sound to you? All the best, Jerome (202) 343-9630

PS: Please don't forget to register for the AIW if you haven't already! https://projects.erg.com/conferences/gasstar_reg/register-gasstar15.asp

From: Douglas Jordan [mailto:Douglas_Jordan@SWN.COM]

Sent: Thursday, July 30, 2015 11:48 AM

To: Blackman, Jerome

Subject: RE: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015 Natural Gas STAR

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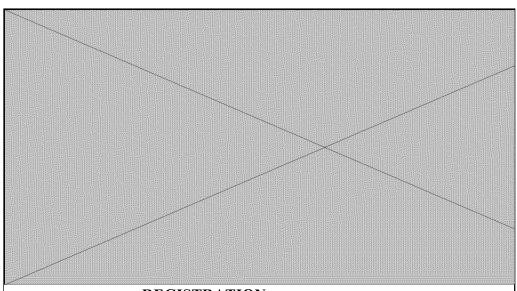
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To: Cauchi,Mark [NCR][Mark.Cauchi@ec.gc.ca]

Cc: Waltzer, Suzanne[Waltzer.Suzanne@epa.gov]; Bartos, Scott[Bartos.Scott@epa.gov]; Bylin,

Carey[Bylin.Carey@epa.gov]
From: Blackman, Jerome

Sent: Fri 9/25/2015 1:48:06 PM Subject: RE: Natural Gas Star

Hi Mark,

Does a date in early October work for you? I am checking calendars on our side as well.

Let me know.

Thanks,

Jerome

----Original Appointment----

From: Bylin, Carey

Sent: Tuesday, September 22, 2015 4:32 PM

To: Cauchi, Mark [NCR]

Cc: Waltzer, Suzanne; Blackman, Jerome; Bartos, Scott

Subject: Declined: Natural Gas Star

When: Wednesday, September 30, 2015 1:30 PM-2:30 PM (UTC-05:00) Eastern Time (US &

Canada).

Where: Dial in Number - (b)(6) personal privacy caller id (b)(6) personal privacy

Hi Mark,

I'm sorry but this time slot does not work for me for the proposed Gas STAR discussion. As per your voicemail, since the discussion will be more broad than our new Methane Challenge proposal, and will include Gas STAR domestic and international programs, I've asked my

colleague Jerome Blackman to help us coordinate for the EPA in finding some times that work for us.
Best,
Carey Bylin